



Attorney Docket No: 1200103

2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor Application of: Harald A. Kuhs

Serial No.: 09/975534

Group Art: 1714

Filed: Oct. 11, 2001

Examiner:

For: Molding Composition for the Transfer of Micro-Structured Surfaces

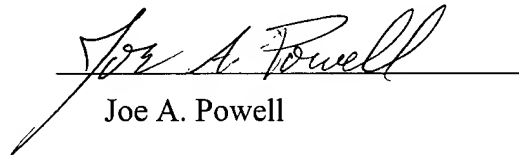
Assistant Commissioner of Patents
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Dated: Dec. 28, 2001


Joe A. Powell

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. 1.97 and 1.98, applicant hereby submits to the Examiner the following materials for consideration during the examination of the above-identified application.

U. S. Patents

	<u>Patent No.</u>	<u>Patentee</u>	<u>Issue Date</u>
1.	4010147	Rose	03-1977
2.	4113699	Rose et al	09-1978
3.	4320224	Rose et al	03-1982
4.	5061427	Hirzel	10-1991
5.	5840415	Hirzel	11-1998
6.	6015518	Hirzel	01-2000

Foreign Patents

	<u>Publication No.</u>	<u>Inventor</u>	<u>Publication Date</u>
1.	CH WO95/11744	Hirzel	04-05-95

Non-Patent Literature

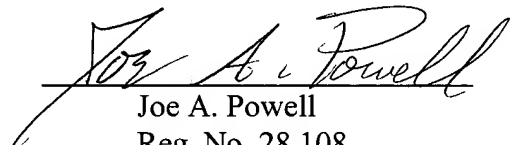
1. Dr. Ewen Campbell; New Materials and Manufacturing Technologies for Automotive Trim; March 16, 1999; A Seminar Presentation for Plastics in Automotive Engineering. See bottom of Page 5 and top of Page 6 for motivation to use porous tooling.
2. S. Hopkins; Porous Aluminum Mold Materials: New Technology in Thermoform Tool-Making; March 5-8, 2001; SAE 2001 World Congress. Discusses porous tooling and its advantages.
3. Mikell Knights; Porous Molds Big Draw; March, 2001; www. PlasticsTechnology.com. Discusses porous tooling and its advantages.
4. International Mold Steel, Inc.; Porous Aluminum Mold Technology; product brochure and data sheets on porous aluminum molds, publication dates believed to be from 1996-1999. This reference discusses the physical properties, and attributes of porous aluminum tooling.

A completed form PTO/SB/08A and PTO/SB/08B are enclosed as well as copies of the above-identified patents and references.

The one foreign reference does not have an English equivalent. The Abstract is in English and the inventor is the same as in 3 of the U.S. patents cited. The PCT search report for this reference is also included.

This statement is not to be construed as a representation that applicant has made any search in relevant art nor that more relevant art exists.

Respectfully submitted,


Joe A. Powell
Reg. No. 28,108

PolyOne Corporation
33587 Walker Road
Avon Lake, OH 44012
Ph: 440-930-3317
Dated: December 28, 2001



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PTO/SB/08A (10-96)

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/975534
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Filing Date	Oct. 11, 2001
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First Named Inventor	Harald A. Kuhs
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Group Art Unit	1714
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Examiner Name

Attorney Docket Number	1200103
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of

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

**Examiner
Signature**

Date Considered

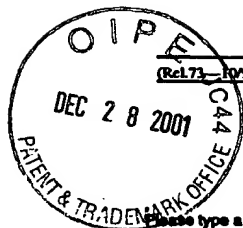
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/975534		
		Filing Date	Oct. 11, 2001		
		First Named Inventor	Harald A. Kuhs		
		Group Art Unit	1714		
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	1200103

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T‡
		Dr. Ewen Campbell; <u>New Materials and Manufacturing Technologies for Automotive Trim</u> ; March 16, 1999; A Seminar Presentation for Plastics in Automotive Engineering. See bottom of Page 5 and top of Page 6 for motivation to use porous tooling.	
		S. Hopkins; <u>Porous Aluminum Mold Materials: New Technology in Thermoform Tool-Making</u> ; March 5-8, 2001; SAE 2001 World Congress. Discusses Porous Tooling and its advantages.	
		Mikell Knights; <u>Porous Molds Big Draw</u> ; March, 2001; www.PlasticsTechnology.com . Discusses Porous Tooling and its advantages.	
		International Mold Steel, Inc.; <u>Porous Aluminum Mold Technology</u> ; product brochure and data sheets on Porous Aluminum molds, publication dates believed to be from 1996-1999. This reference discusses the physical properties, and attributes of Porous Aluminum Tooling.	

Examiner Signature		Date Considered	
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† Unique citation designation number. ‡ Applicant is to place a check mark here if English language Translation is attached.

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(Information Disclosure Statement by Applicant (PTO/SB/08B) Other Prior Art—NonPatent Literature Documents (1449A/PTO) [6-2.1]—page 1 of 1)